ERRATA

One-Dimensional Patterns and Wavelength Selection in Magnetic Fluids [Phys. Rev. Lett. 72, 2294 (1994)]

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[1] J. Bibette, J. Colloid Interface Sci. **147**, 474 (1991).

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Scattering of First Sound by Superfluid Vortices [Phys. Rev. Lett. 72, 2593 (1994)]

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Because of an error done when copying formula (5) from our analytical computations, a global factor $\alpha\beta$ appears, which should be suppressed, i.e., (5) should read:

$$U(r) = -(3\beta^2\rho^2 + 2\beta\Omega\rho + 4\alpha\beta k^2\rho).$$

The numerical computations leading to Figs. 1 and 2, and to the last line of Table I, have been performed using the erroneous formula (5) with $\alpha\beta = 1/2$. Consequently, in order to obtain exact numerical values, one should add to the numerical labels of Fig. 1, $10\log_{10}(4) = 6.0$. The y axis labels of Fig. 2 must be multiplied by 4, and the last line of Table I must be multiplied by 2.

Finally, the order of magnitude of the attenuation length $\lambda = 1/[2\times 10^7 \Omega\xi\sqrt{2}S_{\rm tot}(k)]$ must be divided by 4, leading to $\lambda = 7.5$ cm for $\Omega = 10$ rad s^{-1}, at a frequency of 50 GHz.

Note that now, the agreement in Table I becomes better for larger angles as can be checked in the corrected version of Table I.

TABLE I. Comparison of the scattering amplitude obtained from numerical simulations in different periodical boxes with the Born approximation.

θ	2.5°	5°	10°	15°	25°
$L = 40\pi$	5.25	5.27	5.19	4.94	3.93
$L = 80\pi$	5.75	5.45	4.8	4.13	3
$L = 160\pi$	5.8	5.1	4.7	4.5	3.9
Formula (4)	13	10.7	8	6.6	4

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